WHAT IS CLAIMED IS:

1. A method of displaying a number of computer-detected regions of pathological interest of an anatomical feature, the method comprising:

displaying an image of the anatomical feature; and

simultaneously displaying with the image a uniquely identified marker corresponding to each computer-detected region of pathological interest;

wherein each marker is generated from the image by a computerimplemented detection algorithm and is configured to incorporate viewable classification data entered by a user.

- 2. The method of claim 1, wherein each marker is uniquely identified by a label adjacent to the marker.
 - 3. The method of claim 1, wherein the computer-implemented detection algorithm determines a probability of cancer for each region of pathological interest.
- 4. The method of claim 3, wherein each marker is configured to visually indicate the probability of cancer determined by the computer-implemented detection algorithm.
 - 5. The method of claim 4, wherein the color of each marker visually indicates the probability of cancer determined by the computer-implemented detection algorithm.
 - 6. The method of claim 1, wherein the viewable classification data entered includes a user-determined classification of the computer-detected region as a false-positive detection.
 - 7. The method of claim 1, wherein the viewable classification data includes a user selection of the classification data from an electronically displayed menu of alternative classifications.

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- 8. The method of claim 1, wherein each marker is configured to visually indicate the viewable classification data by the color of the marker.
- 9. The method of claim 1, wherein each marker is configured to be electronically stored with the image in a computer-readable medium.
- 10. A method of interactively displaying a number of unique locations of pathological interest of an anatomical feature, the method comprising:

displaying an image of the anatomical feature;

simultaneously displaying with the image a uniquely identified marker corresponding to each location of pathological interest;

receiving a first user-input command that selects one of the uniquely identified markers for classification;

displaying a menu of user-selectable classification alternatives in response to the first user-input command;

receiving a second user-input command that selects one of the user-selectable classification alternatives; and

modifying the visual appearance of the displayed marker in response to the classification alternative selected by the second user-input command.

- 11. The method of claim 10, wherein each marker is uniquely identified by a label adjacent to the marker.
- 12. The method of claim 10, wherein the first user-input command is a mouse command which selects one of the uniquely identified markers for classification.
 - 13. The method of claim 10, wherein the second user-input command is a mouse command which selects one of the user-selectable classification alternatives.
- 14. The method of claim 10, wherein modifying the visual appearance of the displayed marker in response to the classification alternative selected by the second user-input comprises changing the color of the displayed marker.

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- 15. The method of claim 10, wherein each marker is configured to be electronically stored with the image in a computer-readable medium.
- 16. A system for displaying a number of unique locations of pathological interest of an anatomical feature detected by a computer-implemented detection algorithm, the system comprising:

storage media including an image of the anatomical feature and the locations of pathological interest of the anatomical feature detected by the computer-implemented detection algorithm;

a processor coupled to the storage media and operable to generate a uniquely identified marker corresponding to each computer-detected region of pathological interest, wherein each marker is configured to incorporate viewable classification data entered by a user;

a display coupled to the processor and configured to simultaneously display the image of the anatomical feature and each marker; and

a user-input device coupled to the processor and operable to receive a selection of one of the markers and enter classification data.

- 17. The system of claim 16, wherein the user-input device comprises a mouse.
- 18. The system of claim 16, wherein each marker is configured to be electronically stored with the image in a computer-readable medium.
 - 19. The system of claim 16, wherein each marker is uniquely identified by a label adjacent to the marker.
 - 20. The system of claim 16, wherein the viewable classification data entered includes a user-determined classification of the computer-detected region as a false-positive detection.
 - 21. The system of claim 16, wherein the viewable classification data includes a user selection of the classification data from an electronically displayed menu of alternative classifications..

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- 22. The system of claim 16, wherein each marker is configured to visually indicate the viewable classification data by the color of the marker.
- 23. The system of claim 16, wherein the computer-implemented detection algorithm determines a probability of cancer for each region of pathological interest.
- 24. The system of claim 23, wherein each marker is configured to visually indicate the probability of cancer determined by the computer-implemented detection algorithm.
- 25. The system of claim 24, wherein the color of each marker visually indicates the probability of cancer determined by the computer-implemented detection algorithm.
- 26. A marker for use with a graphical user interface for uniquely identifying a location of pathological interest, the marker comprising:

a unique identifier for the location of pathological interest; and a visual indication of the probability of cancer for the location of pathological interest;

wherein the marker is configured to incorporate viewable classification data based on user input.

- 27. The marker of claim 26, wherein the unique identifier comprises a label adjacent to the marker.
- 28. The marker of claim 26, wherein the visual indication of the probability of cancer for the location of pathological interest is indicated by the color of the marker.
 - 29. The marker of claim 26, wherein the viewable classification data includes a user selection of the classification data from an electronically displayed menu of alternative classifications.
 - 30. The marker of claim 26, wherein the marker is configured to visually indicate the viewable classification data by the color of the marker.

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- 31. The marker of claim 26, wherein the viewable classification data includes a user-determined classification of the region as a false-positive detection.
- 32. The marker of claim 26, wherein the viewable classification data includes a user-determined classification of the region as a cyst.
- 33. The marker of claim 26, wherein the viewable classification data includes a user-determined classification of the region as a nodule.
- 34. The marker of claim 26, wherein the viewable classification data includes a user-determined classification of the region as a microcalcification.